

## results of BLAST

## BLASTN 2.2.8 [Jan-05-2004]

**Reference:**

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1079572591-7810-120835507754.BLASTQ3

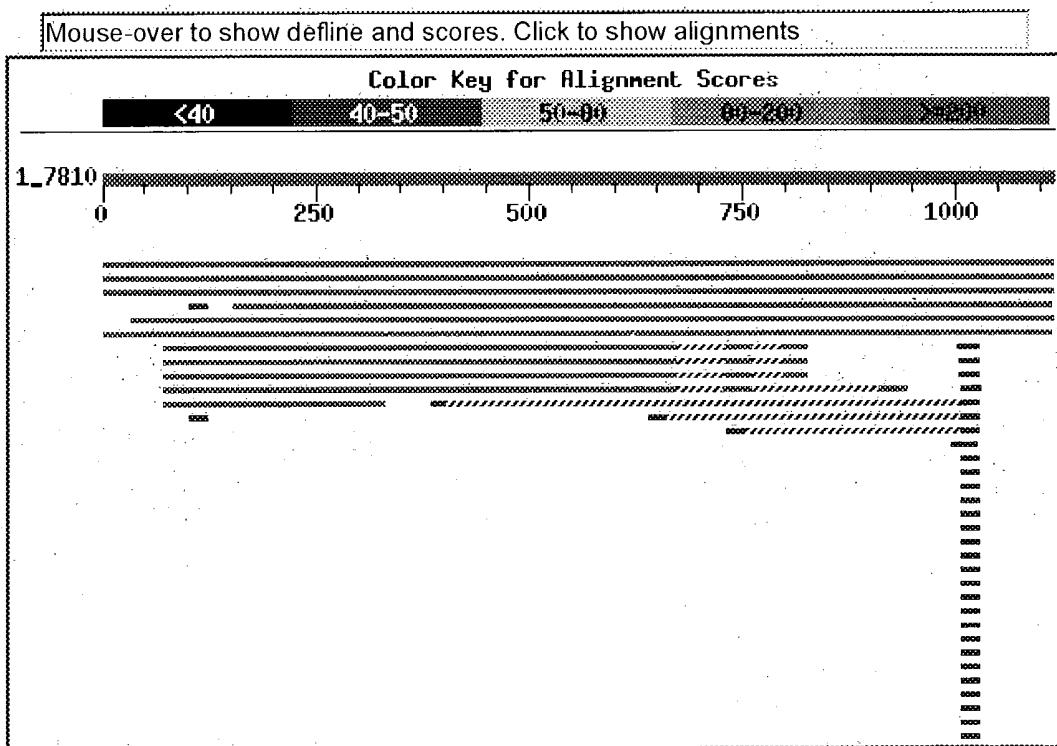
**Query=**

(1115 letters)

**Database:** All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, or phase 0, 1 or 2 HTGS sequences)

2,102,977 sequences; 10,130,642,339 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)**Distribution of 168 Blast Hits on the Query Sequence**

Sequences producing significant alignments:

			Score	E	
			(bits)	Value	
gi 37182299 gb AY358589.1	Homo sapiens clone DNA59842 PPAG...	1805	0.0		2003
gi 39930574 ref NM_198149.1	Homo sapiens chromosome 1 open...	1805	0.0		2004
gi 16306970 gb BC009558.1	Homo sapiens chromosome 1 open r...	1797	0.0		2004
gi 38541262 gb BC061908.1	Homo sapiens chromosome 1 open r...	1497	0.0		2004
gi 44890450 gb BC066977.1	Homo sapiens cDNA clone IMAGE:47...	1481	0.0		2004
gi 16973029 emb AL513217.1	Human DNA sequence from clone ...	734	0.0		40% 15 Mar 2001
gi 26333272 dbj AK039457.1	Mus musculus adult male spinal ...	613	e-172		2003
gi 27924161 gb BC044813.1	Mus musculus RIKEN cDNA 93301320...	605	e-170		2003
gi 31982176 ref NM_175259.3	Mus musculus RIKEN cDNA 933013...	605	e-170		
gi 34880245 ref XM_341125.1	Rattus norvegicus similar to s...	581	e-162		
gi 12860937 dbj AK020369.1	Mus musculus adult male diencep...	219	9e-54		
gi 23237979 gb AC118541.12	Mus musculus chromosome 17 clon...	47	0.096		
gi 17432451 gb AC063953.13	Homo sapiens 3 BAC RP11-317I15 ...	47	0.096		
gi 14518433 gb AC073091.5	Homo sapiens BAC clone RP11-335E...	47	0.096		
gi 13872752 emb AJ291729.1 GGA291729	Gallus gallus HOXA-7 g...	47	0.096		
gi 11043192 emb AL356094.11	Human DNA sequence from clone ...	47	0.096		
gi 37991841 gb AC009022.10	Homo sapiens chromosome 16 clon...	45	0.39		
gi 31745458 gb AC145212.1	Homo sapiens BAC clone RP11-1368...	45	0.39		
gi 23130719 gb AC127381.4	Homo sapiens BAC clone RP11-1360...	45	0.39		
gi 17386265 gb AC092727.2	Bos taurus clone RP42-351K5, com...	45	0.39		
gi 3461799 gb AC005252.1	Homo sapiens 12q24.2 PAC RPCI4-8...	45	0.39		
gi 37537337 dbj BS000070.1	Pan troglodytes chromosome 22 c...	45	0.39		
gi 22296946 gb AC124657.5	Homo sapiens chromosome 11, clon...	45	0.39		
gi 21431105 gb AC105213.5	Homo sapiens chromosome 8, clone...	45	0.39		
gi 7658301 gb AC020633.3	Homo sapiens 3 BAC RP11-65E22 (Ro...	45	0.39		
gi 21281642 gb AC093702.4	Homo sapiens BAC clone RP11-1324...	45	0.39		
gi 28460898 gb AC100808.10	Homo sapiens chromosome 17, clo...	45	0.39		
gi 28191598 gb AC004253.2	Homo sapiens chromosome 17, clon...	45	0.39		
gi 17066777 gb AC016933.20	Homo sapiens 3 BAC RP11-166D18 ...	45	0.39		
gi 21166215 gb AC112516.2	Homo sapiens chromosome 3 clone ...	45	0.39		
gi 28269598 gb AC138336.3	Homo sapiens chromosome 17, clon...	45	0.39		
gi 28261563 gb AC138701.3	Homo sapiens chromosome 15, clon...	45	0.39		
gi 27544898 gb AC005186.3	Homo sapiens 12 PAC RP5-916L7 (R...	45	0.39		
gi 34740260 dbj AP006285.2	Homo sapiens genomic DNA, chrom...	45	0.39		
gi 27923645 gb AC137810.3	Homo sapiens chromosome 5 clone ...	45	0.39		
gi 12643000 gb AC073571.14	Homo sapiens 12 BAC RP11-136F16...	45	0.39		
gi 27901792 gb AC006210.4	Homo sapiens X BAC GS1-309P15 (G...	45	0.39		
gi 20279381 gb AC067747.7	Homo sapiens chromosome 10 clone...	45	0.39		
gi 27777719 gb AF003625.2	Homo sapiens chromosome X clone ...	45	0.39		
gi 27764902 gb AF003529.2	Homo sapiens glypican 3 (GPC3) g...	45	0.39		
gi 20143838 gb AC115622.2	Homo sapiens BAC clone RP11-404I...	45	0.39		
gi 20128718 gb AC092537.4	Homo sapiens BAC clone RP11-45E1...	45	0.39		
gi 20219066 gb AC016821.9	Homo sapiens chromosome 10 clone...	45	0.39		
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gi 19774389 gb AC016398.6	Homo sapiens chromosome 10 clone...	45	0.39		
gi 20087100 gb AC025038.6	Homo sapiens chromosome 10 clone...	45	0.39		
gi 19774341 gb AC026391.7	Homo sapiens chromosome 10 clone...	45	0.39		
gi 19310352 gb AC105398.3	Homo sapiens BAC clone RP11-6560...	45	0.39		
gi 19848427 gb AC027238.5	Homo sapiens chromosome 8, clone...	45	0.39		
gi 19570169 gb AC021761.8	Homo sapiens chromosome 11, clon...	45	0.39		

gi 19551192 gb AC093656.4	Homo sapiens BAC clone RP11-440N...	45	0.39
gi 19551184 gb AC093601.4	Homo sapiens BAC clone RP11-338P...	45	0.39
gi 19551154 gb AC007923.7	Homo sapiens chromosome 17, clone...	45	0.39
gi 19551152 gb AC104576.5	Homo sapiens chromosome 8, clone...	45	0.39
gi 27261499 gb AC136026.3	Homo sapiens chromosome 16 clone...	45	0.39
gi 12000243 gb AC078963.16	Homo sapiens 12q BAC RP11-362K2...	45	0.39
gi 16756366 gb AC097519.2	Homo sapiens BAC clone RP11-549K...	45	0.39
gi 21956506 gb AC117497.3	Homo sapiens 12 BAC RP11-422O21 ...	45	0.39
gi 19033995 gb AC097507.2	Homo sapiens BAC clone RP11-371E...	45	0.39
gi 13346586 gb AC021849.5	Homo sapiens BAC clone RP11-366G...	45	0.39
gi 18497197 gb AC092596.3	Homo sapiens BAC clone RP11-100J...	45	0.39
gi 25815345 gb AC137674.2	Homo sapiens chromosome 3 clone ...	45	0.39
gi 25704382 gb AC092532.17	Papio anubis clone rp41-110d13,...	45	0.39
gi 18873872 gb AC037482.14	Homo sapiens chromosome 17, clo...	45	0.39
gi 18482331 gb AC079235.7	Homo sapiens BAC clone RP11-4950...	45	0.39
gi 18767535 gb AC090735.5	Homo sapiens chromosome 8, clone...	45	0.39
gi 18677372 gb AC099517.2	Homo sapiens chromosome 5 clone ...	45	0.39
gi 18464049 gb AC025757.3	Homo sapiens chromosome 5 clone ...	45	0.39
gi 18104848 gb AC091039.7	Homo sapiens chromosome 18, clon...	45	0.39
gi 17027313 gb AC016401.9	Homo sapiens chromosome 18, clon...	45	0.39
gi 28189507 dbj AP000795.5	Homo sapiens genomic DNA, chrom...	45	0.39
gi 33457004 emb AL354822.8	Human DNA sequence from clone R...	45	0.39
gi 15421996 gb AC016879.6	Homo sapiens chromosome 8, clone...	45	0.39
gi 15375151 gb AC025171.8	Homo sapiens chromosome 5 clone ...	45	0.39
gi 11067115 gb AC022363.24	Homo sapiens 12 BAC RP11-1151B7...	45	0.39
gi 3894209 gb AC004959.1 AC004959	Homo sapiens PAC clone RP...	45	0.39
gi 14347104 emb AL356756.4 CNS05TDG	Human chromosome 14 DNA...	45	0.39
gi 16501093 emb AL139136.17	Human DNA sequence from clone ...	45	0.39
gi 9366919 emb AL160058.8	Human DNA sequence from clone RP...	45	0.39
gi 13559997 emb AL158158.14	Human DNA sequence from clone ...	45	0.39
gi 14017515 gb AC016080.5 AC016080	Homo sapiens, clone RP11...	45	0.39
gi 14029049 gb AC091074.3 AC091074	Homo sapiens chromosome ...	45	0.39
gi 11120951 gb AC017067.4 AC017067	Homo sapiens BAC clone R...	45	0.39
gi 4432790 gb AC005510.3 AC005510	Homo sapiens chromosome 4...	45	0.39
gi 4469216 emb AL033504.3 HS43408	Human DNA sequence from c...	45	0.39
gi 28411198 emb AL355432.7 HS56F10	Homo sapiens chromosome ...	45	0.39
gi 28316274 emb AL355433.6 HS179D22	Homo sapiens chromosome...	45	0.39
gi 12656825 gb AC015631.10 AC015631	Homo sapiens, clone RP1...	45	0.39
gi 3641771 gb AC005668.1 AC005668	Homo sapiens chromosome 1...	45	0.39
gi 11496328 gb AC015540.9 AC015540	Homo sapiens 12 BAC RP11...	45	0.39
gi 14970795 emb AL161654.14	Human DNA sequence from clone ...	45	0.39
gi 11967438 emb AL133289.9	Human DNA sequence from clone R...	45	0.39
gi 8546579 emb AL133229.40	Human DNA sequence from clone R...	45	0.39
gi 21540033 emb AL513174.19	Human DNA sequence from clone ...	45	0.39
gi 15723130 emb AL603767.4	Human DNA sequence from clone R...	45	0.39
gi 9863570 emb AL159152.11	Human DNA sequence from clone R...	45	0.39
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gi 5931934 emb AL121577.1 HSXKSRPXM	Homo sapiens chromosome...	45	0.39

## Alignments

 Get selected sequences Select all Deselect all

>gi|37182299|gb|AY358589.1| Homo sapiens clone DNA59842 PPAG583 (UNQ583) mRNA  
Length = 1141

Score = 1805 bits (898), Expect = 0.0  
Identities = 1091/1141 (95%), Gaps = 26/1141 (2%)  
Strand = Plus / Plus

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Sbjct: 1 gggctgggccccgcccagctccagctggccggcttggtccctgcggcccttctctggga 60

Query: 61 ggcccgaccccgccgcgcccagccccaccatgccaccgcggggctccgcggccgc 120  
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Sbjct: 61 ggcccgaccccgccgcgcccagccccaccatgccaccgcggggctccgcggccgc 120

Query: 121 gccgctcaccgc-mtcgctctgttggtgcgtggggctccctggtgcgtggccggcgagga 179  
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Query: 180 ctgcctgtggtacctggaccgg-mtggctcctggcatccggggtt-mtcgcagtttt 237  
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Sbjct: 181 ctgcctgtggtacctggaccggaatggctcctggcatccggggttaactgcgcagtttt 240

Query: 238 cacttctgtcgggacctgttaccatcggtactgtgcaggacctgacccgtttat 297  
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Query: 298 caccgagaggcagca-g-mgcactgcctggcattcagcccc-mgaccatagcaggcatgc 355  
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Query: 356 cttagctgtatcctttgttgcgtgtggtgcaccaccatctgtgcgtttctgttc 415  
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Sbjct: 361 cttagctgtatcctttgttgcgtgtggtgcaccaccatctgtgcgtttctgttc 420

Query: 416 ctgttgctacctgttaccgcggcgccagcagctccagagccatattg-mggccaggagat 474  
||||||||||||||||||||||||||||||||||||||||||||  
Sbjct: 421 ctgttgctacctgttaccgcggcgccagcagctccagagccatattgaaggccaggagat 480

Query: 475 tcc-mtgcacaggcatcccagtgcagccagtataccataccccaggaccc--wgctgg 531  
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Query: 532 ccctgcaccccccacagcctggcttcatgttaccacccatgtggtccctgtccccc-mtatacc 590  
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Query: 650 acagcccttacccgggagcct--gggmcagccatgtctctgtgcgccttcagtat 707  
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Query: 825 aggg-mgtgg-mcaggagctg-mctagaactatgagggttggggggagggttgg-mtt 880  
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 Sbjct: 1081 ctctctggctgggtgggggaggaggagggttcgtcagcagctggcagtagccctc 1140

Query: 1115 a 1115  
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 Sbjct: 1141 a 1141

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 Identities = 1091/1141 (95%), Gaps = 26/1141 (2%)  
 Strand = Plus / Plus

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Sbjct: 61 ggcccggccggccgcggccagccccaccatgccacccggggctccggccggccgc 120

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Query: 121 gccgctcaccgc-mtcgctctgttggtgcggggctccctggctggcggcgagga 179  
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Sbjct: 121 gccgctcaccgcaatcgctctgttggtgcggggctccctggctggccggcgagga 180

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Query: 532 ccctgcaccccccacagcctggcttcatgtacccacctagggtcctgtccccc-mtatacc 590  
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Sbjct: 1081 ctctctggctccccactggccacatctctggcctgttagattaaagctgtaaagacaaa 1140

Query: 1115 a 1115  
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Sbjct: 1141 a 1141

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Identities = 1090/1141 (95%), Gaps = 26/1141 (2%)  
Strand = Plus / Plus

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Query: 61 ggcccgaccccgccgcgcccagccccaccatgccacccgcggggctccggccggccgc 120  
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Sbjct: 65 ggcccgaccccgccgcgcccagccccaccatgccacccgcggggctccggccggccgc 124

Query: 121 gccgctaccgc-mtcgtctgttgggtctggggctcccctgggtctggccggcgagga 179  
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Query: 180 ctgcctgtggtaacctggaccgg-mtggctctggcatccggggtt-mctgcgagtttt 237

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Query: 475 tcc-mtgacaggcatcccagtgcagccagtatacccatcccccaaggacccc--wgctgg 531  
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Query: 650 acagcccttaccgggagcct--gggmcagccatgtctctgtgcggcccttcagtgat 707  
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Query: 825 aggg-mgtgg-mcaggagctg-mctagaactatgagggttggggggagggcttgg-mtt 880  
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Query: 1115 a 1115  
|  
Sbjct: 1145 a 1145

[>]gi|38541262|gb|BC061908.1| [Homo sapiens chromosome 1 open reading frame 40, mRNA (IMAGE:4415188), partial cds]  
Length = 1000

Score = 1497 bits (745), Expect = 0.0  
Identities = 935/984 (95%), Gaps = 25/984 (2%)  
Strand = Plus / Plus

Query: 154 gctccctgggtctggccggcgaggactgcctgtggtaacctggaccggm-tggctcctgg 212  
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Sbjct: 1 gctccctgggtctggccggcgaggactgcctgtggtaacctggaccggatggctcctgg 60

Query: 213 catccggggtttm-ctgcgagttctcacccctgtgcgggacctgtaccatcggtac 271  
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Sbjct: 61 catccggggatttactgcgagttctcacccctgtgcgggacctgtaccatcggtac 120

Query: 272 tgcgtgcaggacacctgtacccatcaccgagaggcagcagm-gcactgcctggccttc 330  
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